Topographic Mapping Specialist
Charleston, SC

I.M. Systems Group, Inc. (IMSG) (www.imsg.com) is looking for a motivated individual to join the topographic mapping efforts of the NOAA Coastal Services Center, a federal facility in Charleston, South Carolina.

The NOAA Coastal Services Center (www.csc.noaa.gov) serves the nation's state and local coastal programs by providing them with information, services, and technology that might otherwise be unavailable. In the topographic arena, the organization provides the coastal resource management community high-resolution topographic data acquired through remote sensing technologies. The person in this position will work closely with external partners throughout the data collection process. The ideal candidate will possess in-depth knowledge of remote sensing tools and techniques to collect topographic data.

Duties

The successful candidate will provide content expertise and technical support to a variety of projects that involve topographic data primarily in the form of LIDAR, IfSAR, and bathymetric data. Responsibilities involve project management including contract oversight, project planning, communication with data providers, and quality assurance. To ensure project success this position requires the ability to effectively communicate with data collection partners regarding project needs, scheduling, and quality control measures.   The Center receives, and serves on-line, large volumes of topographic data. This position will be responsible for coordinating a team of people in receiving and checking the quality of topographic data, formatting the data (LAS format), and ensuring data is organized and made publicly available through internet download. Additional duties may include supporting other Center remote sensing projects including land cover mapping, benthic habitat mapping, hazards (flooding risks, coastal erosion), as well a training and participation in workshops and conferences.

Qualifications
Required:
- BA or BS in the natural sciences, remote sensing, or engineering, and 6-10 years relevant work experience or MS and 5 years experience.
- Demonstrated knowledge of topographic data collection. (LIDAR/RADAR/bathymetric) and analysis methods.
- Demonstrated project management skills as applied to topographic data.
- Ability to apply topographic data sets to solve coastal management issues.
- Excellent communications skills, both written and oral.

Desired:

- Working knowledge of remote sensing and GIS fundamentals, with experience in ESRI desktop mapping software.
- Experience with commercial LIDAR processing software (e.g., TerraScan, Istar, Fledermaus).
- Experience with multiple operating systems and computer programming languages.
- Experience managing contracts.
- Planning and collection of field GPS data.

To Apply: submit resume to jobs@imsg.com